

# Translation

## PATENT COOPERATION TREATY

PCT/JP2003/013509



# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference IWA007	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/JP2003/013509	International filing date (day/month/year) 23 October 2003 (23.10.2003)	Priority date (day/month/year) 24 October 2002 (24.10.2002)
International Patent Classification (IPC) or national classification and IPC E04D 3/38, 3/00, 3/35, 3/362, 15/04, E04F 13/08		
Applicant SANKO METAL INDUSTRIAL CO., LTD.		

- This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 3 sheets, including this cover sheet.
- This report is also accompanied by ANNEXES, comprising:
  - ☐ (sent to the applicant and to the International Bureau) a total of \_\_\_\_\_ sheets, as follows:
    - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
    - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
  - ☐ (sent to the International Bureau only) a total of \_\_\_\_\_, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
- This report contains indications relating to the following items:
 

<input checked="" type="checkbox"/> Box No. I	Basis of the report
<input type="checkbox"/> Box No. II	Priority
<input type="checkbox"/> Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/> Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/> Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/> Box No. VI	Certain documents cited
<input type="checkbox"/> Box No. VII	Certain defects in the international application
<input type="checkbox"/> Box No. VIII	Certain observations on the international application

Date of submission of the demand 06 February 2004 (06.02.2004)	Date of completion of this report 30 July 2004 (30.07.2004)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2003/013509

## Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on translations from the original language into the following language \_\_\_\_\_, which is language of a translation furnished for the purpose of:
- ☐ international search (under Rules 12.3 and 23.1(b))
- ☐ publication of the international application (under Rule 12.4)
- ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☒ The international application as originally filed/furnished
- ☐ the description:
- pages \_\_\_\_\_, as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ the claims:
- pages \_\_\_\_\_, as originally filed/furnished
- pages\* \_\_\_\_\_, as amended (together with any statement) under Article 19
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ the drawings:
- pages \_\_\_\_\_, as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP03/13509

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)

Claims

1-13

YES

Claims

NO

Inventive step (IS)

Claims

6-13

YES

Claims

1-5

NO

Industrial applicability (IA)

Claims

1-13

YES

Claims

NO

## 2. Citations and explanations (Rule 70.7)

Document 1: JP, 3079769, U (YUGEN KAISHA SANSHO KOGYO), 13 June 2001

Document 2: JP, 2000-314211, A (SANKO KINZOKU KOGYO K.K.), 14 November 2000

Document 3: JP, 03-015911, U (NIKKO KINZOKU K.K.), 18 February 1991

Document 4: JP, 2002-242388, A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.), 28 August 2002

The subject matter of claims 1, 2, and 5 does not involve an inventive step on account of document 1 (page 5, line 15 to page 6, line 12; Figs. 2-3) and document 2 (page 2, right column, line 30 to page 3, right column, line 21; Fig. 7) cited in the ISR. In the metal roof plate taught in document 1, employing the technical matter of covering a metal thin plate with a synthetic resin film whose main component is thermally adhesible ethylenepropylene and joining the overlapping parts at the ends of building materials by resin fusion as taught in document 2 would be easy for a person skilled in the art.

The subject matter of claim 3 does not involve an inventive step on account of document 1 through document 3 (Figs. 11-13) cited in the ISR. Employing the running part shape taught in document 3 in the metal roof plate taught in document 1 would be easy for a person skilled in the art.

The subject matter of claim 4 does not involve an inventive step on account of document 1 through document 4 (page 4, right column, lines 28-29) cited in the ISR. In the metal roof plate taught in document 1, employing the technical matter of forming the gutter material of a synthetic resin covered metal plate as taught in document 4 and joining the ends of building materials by resin fusion as taught in document 2 would be easy for a person skilled in the art.

The subject matter of claims 6-13 is not described in any of the documents cited in the ISR and is non-obvious to a person skilled in the art.